

Table 1 Summary of EC₅₀ values for inhibition of *T. gondii* growth in vitro

Compound Name	Chemical class	Known or suspected mechanism of action (resistance mechanism)	EC ₅₀ log INNID vs normalized response (mM)
Clindamycin	macrolide - lincosamide	Protein synthesis - bacterial 50S ribosomal subunit	0.0081
Trans-Mirncamycin	macrolide - lincosamide	Protein synthesis - bacterial 50S ribosomal subunit	0.0140
Cyclohexamide	glutarimide	Protein synthesis - eukaryotic - elongation	0.0161
Cis-Mirncamycin	macrolide - lincosamide	Protein synthesis - bacterial 50S ribosomal subunit	0.0197
ELQ-300	quinolone	Mitochondrial bc1 complex- Qi	0.0577
Artemisone	sesquiterpene lactone	peroxide-mediated, oxidative damage (Kelch 13)	0.0755
Azithromycin	macrolide - azalide	Protein synthesis - bacterial 50S ribosomal subunit	0.1654
Atovaquone	hydroxynaphthalquinone	Mitochondrial bc1 complex- Qo	0.2441
Pyrimethamine	pyrimidine derivative	DHFR	0.2538
KAE609	spirotetrahydro b-carboline	ATP4	0.2561
Artemether	sesquiterpene lactone	peroxide-mediated, oxidative damage (Kelch 13)	0.2861
Methylene blue	phenothiazin	Uncertain	0.2958
Artesunate	sesquiterpene lactone	peroxide-mediated, oxidative damage (Kelch 13)	0.5989
Ro 47-7737	4-aminoquinoline (bis)	Hemozoin formation	0.6508
Artemisinin	sesquiterpene lactone	peroxide-mediated, oxidative damage (Kelch 13)	0.7595
BIX-01294	diaminoquinazoline	Histone methyl transferase	0.8792
Phenylequine	4-aminoquinoline	Hemozoin formation	0.9362
MMV688558	pantothenamide	Co-enzyme A	0.9526
Doxycycline	macrolide - tetracycline	Protein synthesis - bacterial	1.0080
Thiostrepton	cyclic oligopeptide - thiopeptide	Protein synthesis - bacterial 50S ribosomal subunit	1.1310
Dihydroartemisinin	sesquiterpene lactone	peroxide-mediated, oxidative damage (Kelch 13)	1.1390
Pyronaridine	4-anilino-quinoline	Hemozoin formation and novel	1.2430
KAF246	spirotetrahydro b-carboline	ATP4	1.4000
Chlorproguanil	biguanide - prodrug	DHFR after cyclization - and unique	1.4330
2k	4-anilino-quinoline	Hemozoin formation	1.4560
NPC-1161B	8-aminoquinoline	Uncertain	1.4680
Mefloquine (racemic)	quinoline amino-alcohol	Uncertain (Pfmdr1)	1.4900
Sitamaquine	8-aminoquinoline	Uncertain	1.5800
Cladosporin	isocoumarin	Lysyl t-RNA synthase	1.5820
(+)-Mefloquine	quinoline amino-alcohol	Uncertain (Pfmdr1)	1.661
AQ-13	4-aminoquinoline	Hemozoin formation	1.6460
AZ412	triaminopyrimidine	Vacuolar ATPase synthase / V-type H ⁺ ATPase	1.7560
Pamaquine	8-aminoquinoline	Uncertain	1.7840
Halofantrine	amino alcohol	Hemozoin formation	1.8140
OZ277	trioxolane - synthetic endo-peroxide	peroxide-mediated, oxidative damage	1.8570
N-desethyl amodiaquine	4-anilino-quinoline	Hemozoin formation	1.8670
Dapsone	sulfone	Dihydropteroate synthesis	1.9430
Tafenoquine	8-aminoquinoline	Uncertain	2.1160
Amodiaquine	4-anilino-quinoline	Hemozoin formation	2.2260
AN13762	oxaborole	Uncertain	2.7030
OZ439	trioxolane - synthetic endo-peroxide	peroxide-mediated, oxidative damage	2.7220
Cycloguanil	cyclic-biguanide	DHFR	2.7580
UCT944	aminopyrazine	PI4K	2.7900
KAF156	imidazolopiperazine	(PfCarl)	3.0620
Sulfamethoxazole	sulfonamide	Dihydropteroate synthesis	3.1530
MK-4815	aminocresol	Hemozoin formation	3.3010
UCT048	aminopyridine	PI4K	3.4340
Primaquine	8-aminoquinoline	Uncertain	3.5140
Pentamidine	bisamidine derivative	Uncertain	3.6790
Proguanil	biguanide - prodrug	DHFR after cyclization - and unique	4.4700
Sulfadiazine	sulfonamide	Dihydropteroate synthesis	4.5220
21A092	pyrazoleamide	ATP4	4.6370